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APPLICATION NO.	FILINO	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/040,317	10/25	5/2001	Alexander Serkh	B01-068A	9845
7	7590 10/29/2003			EXAMINER	
Jeffrey Thurnau				HOANG, JOHNNY H	
The Gates Corporation Mail Stop 31-4-1-A3 900 S. Broadway				ART UNIT	PAPER NUMBER
				3747 DATE MAILED: 10/29/2003	
Denver, CO 80209					

Please find below and/or attached an Office communication concerning this application or proceeding.

ا شرخه								
Office Action Summary		Application N .	Applicant(s)					
		10/040,317	SERKH ET AL.					
		Examiner	Art Unit					
		Johnny H. Hoang	3747					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE - Exte after - If the - If NO - Failu - Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	38(a). In no event, however, may a reply be tild within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133)					
1)⊠	Responsive to communication(s) filed on 25 C	October 2001 .						
2a) <u></u> □	This action is FINAL . 2b)⊠ Thi	This action is non-final.						
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims	⊏x parte Quayle, 1935 G.D. 11, 4	403 U.G. 213.					
4)🖂	Claim(s) 1-39 is/are pending in the application	•						
	4a) Of the above claim(s) is/are withdraw	vn from consideration.						
5)□	Claim(s) is/are allowed.							
6)⊠	Claim(s) <u>1-39</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
	Claim(s) are subject to restriction and/or	election requirement.	•					
	ion Papers The specification is objected to by the Everyiner							
	The specification is objected to by the Examiner		hu tha Evamina-					
10) The drawing(s) filed on <u>25 October 2001</u> is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority ι	ınder 35 U.S.C. §§ 119 and 120							
13)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	a)-(d) or (f).					
a)[☐ All b)☐ Some * c)☐ None of:							
	1. Certified copies of the priority documents	s have been received.						
	2. Certified copies of the priority documents	s have been received in Applicati	ion No					
* S	3. Copies of the certified copies of the priori application from the International Bur See the attached detailed Office action for a list of	eau (PCT Rule 17.2(a)).	-					
14) 🗌 A	14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
) \square The translation of the foreign language pro- Acknowledgment is made of a claim for domestic							
Attachmen —	•							
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s) <u>2.</u>	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)					

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DETAILED ACTION

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Inventorship

1. This application currently names joint inventors. In considering patentability of the

claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various

claims was commonly owned at the time any inventions covered therein were made absent any

evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out

the inventor and invention dates of each claim that was not commonly owned at the time a later

invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c)

and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United

States.

3. Claims 1-4, 8-12, and 14-39 are rejected under 35 U.S.C. 102(b) as being anticipated by

Hayakawa et al (US 4,478,595).

Regarding to claim 1, the reference of Hayakawa et al teaches an electric control

apparatus for belt tensioners including the following subject matters:

a endless drive member having a drive member parameter (abstract; and col. 3. lines

57-61);

- i

a sensor detecting the drive member parameter and having a sensor signal (col. 4, lines 40-65);

a module for receiving the sensor signal from the sensor and for processing the sensor signal and for generating a control signal (col. 4, line 66 through col. 7, line 63);

a moveable member receiving the control signal, whereby the moveable member movement adjusts a drive member tension (col. 4, lines 5-39; and above discussions).

Regarding to claims 2-4, ad discussed in claim 1.

Regarding to claims 8, the reference of Hayakawa et al teaches an electric control apparatus for belt tensioners including the following subject matters: a method of adjusting a drive member (col. 1, line 56 through col. 2 line 2) comprising the steps of:

sensing a drive member parameter (as discussed in claim 1);

generating a drive member parameter sensor signal (as discussed in claim 1);

transmitting a drive member parameter sensor signal to a control module (as discussed in claim 1);

processing the sensor signal generating a control module signal (as discussed in claim 1);

transmitting a control module signal to an actuator (see abstract); energizing the actuator (see abstract); and adjusting a drive member parameter (as above discussions).

Regarding to claims 9 (as discussed in claims 1, and 8).

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Regarding to claims 10-12, and 14-16 (as discussed in claims 1-9).

Regarding to claims 17-20 (as discussed in claims 1, and 8).

Regarding to claims 21-32 (as above discussions).

Regarding to claim 33, Hayakawa et al teaches an electric control apparatus for belt tensioners including the following subject matters:

operating a drive having a belt engaged with a first accessory and a second accessory, said belt having a tension (col. 3, lines 32-61);

measuring a first accessory hubload, a second accessory hubload and a second accessory rotational speed (above discussions; and col. 7, lines 22-42);

calculating a first accessory slack side tension using a first accessory hubload, a second accessory hubload and a second accessory rotational speed (as above discussions);

detecting a first accessory load condition (as above discussions);

calculating a first accessory belt slack side tension using a first accessory load condition (as above discussions);

comparing a calculated first accessory belt slack side tension using a first accessory load condition to a calculated first accessory belt slack side tension using a first accessory hubload, a second accessory hubload and a second accessory rotational speed (as above discussions); and

adjusting a belt tension (as above discussions).

Regarding to claims 34-39 (as above discussions).

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Claim Rejecti ns - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 5-7, and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Hayakawa et al in view of Kouno et al (US 5,085,104).

Regarding to claim 5, with reference to above rejections, the reference of Hayakawa et

al discloses all that is claimed except the moveable member comprises a hydraulic actuator.

The reference of Kouno et al teaches a hydraulic control apparatus for vehicle power

transmitting system which including: the movable rotors 50, 52 are moved by respective first

and second hydraulic actuators in the form of first and second hydraulic cylinders 54, 56,

whereby the effective widths of V grooves of the pulleys 40, 42, i.e. (col. 5, line 59 through col.

6, line 6). It would have been obvious to one of ordinary skill in the art at the time the invention

was made to have modified the system which including the moveable member comprises a

hydraulic actuator as taught by Kouno et al, so as to provide efficient apparatus for belt

tensioners of Hayakawa et al.

Regarding to claims 6-7, and 13 (as discussed in claims 1, 8, and 5).

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Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The copies of U.S Patent are provided.

Hayashi (US 5,243,881), Morishige et al (US 5,089,964), Petzold et al (US 4,982,822), and Smit et al (US 4,458,318).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Johnny H. Hoang whose telephone number is (703) 308-2782. The examiner can normally be reached on Monday - Thursday (7:00Am-5: 30Pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on (703) 308-2696. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0861.

Asilia R Della L Willia FR. Wester Oct Unit 7747

JHH October 23, 2003 Johnny H. Hoang Examiner Art Unit 3747